

Data Reduction Issues

2005

None that I can remember...

2006

Inevitably, there seem to be a few minor issues with the new system. Please check <http://mopradev.pbwiki.com> for the current status of creepy-crawlies.

Paddle data not flagged (affects data prior to June 29th)

Problem: For data recorded prior to June 29th, livedata can't distinguish between a paddle scan and real data.

Solution: Run **tsysex.csh** script attached below on the affected data. This uses the **rpfex** command to make a new RPF file (called blah.rpfix) that only contains the data scans. The script expects a whole map (64 scans), so if you have a truncated map, you might want to edit the script.

Notes: Schedule file has 66 units. Units 1 & 2 are recorded into the blah-tsys.rpf file, leaving 64 scans. The paddle scans are #27 and #54 of the blah.rpf file (even though they appear as units 29 & 56 in your schedfile).

Position stamps not recorded (affects data June 10th to July 11th)

Problem: Position timestamps were not recorded for the data recorded between June 10th and July 11th.

Solution: Not much we can do except hope that the error in assuming the spectral timestamps is small.

Notes: You will get a warning like:

```
WARNING, scan 62, cycle 42: Position changed but timestamp unchanged! WARNING, Using stale scan rate, staleness = 1671 cycles. WARNING, But the previous rate was zero! Position will be inaccurate.
```

when you process the RPF files through livedata.

Combining ATcor, MOPS, POCS data

Each of the correlator setups had a different frequency resolution, so gridzilla cannot handle them directly. Under discussion with Erik and Malte.

Change of Centre Frequency for MOPS Setup (Old until end 2006-08-03, New: 2006-08-04 onwards)

I switched the centre frequency (and hence zoom windows) of the observing and [OrionKL?](#) scans.

For observing:

Old vcen = 112020; Zoom windows: [13],[1],[],[9]

New vcen = 111460; Zoom windows: [],[2,5],[],[13]

For OriKL? scans:

Old vcen = 111970; Zoom windows: [14],[2],[],[10]

New vcen = 111550; Zoom windows: [],[2,5],[],[13]

-- [AnnieHughes](#) - 13 July 2006

!	Attachment	Action	Size	Date	Who	Comment
	tsysex.csh	manage	0.2 K	16 Jul 2006 - 22:14	AnnieHughes	Uses Mark C's rpfex to extract Paddle Scans from RPF files. You need to know the scan numbers of the paddle scans.

This topic: MopraLmc > [MopraLmc](#) > RedIssues

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